

Welcome to IEEE Xplore®

- Home
- What Can I Access?
- Log-out

Tables of Contents

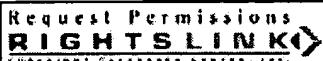
- Journals & Magazines
- Conference Proceedings
- Standards

Search

- By Author
- Basic
- Advanced

Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

[Search Results](#) [PDF FULL-TEXT 360 KB] [NEXT](#) [DOWNLOAD CITATION](#)**SONET configuration management with OpenPM**

Weimin Du Ming-Chien Shan Whitney, C.

Hewlett-Packard Labs., USA;

This paper appears in: Data Engineering, 1996. Proceedings of the Twelfth International Conference on

Meeting Date: 02/26/1996 - 03/01/1996

Publication Date: 26 Feb.-1 March 1996

Location: New Orleans, LA USA

On page(s): 295 - 299

Reference Cited: 5

Inspec Accession Number: 5242628

Abstract:

SONET (Synchronous Optical NETwork) has been proposed as the backbone of information superhighway infrastructure. **SONET** network management, however, is a complex process that involves many heterogeneous systems and applications and human interactions. In this paper, we describe a prototype system developed at Hewlett-Packard (HP) that provides a service for **configuring** large **SONET** networks. This prototype differs from the existing systems in that it employs the HP OpenPM (Open Process Management) workflow system to define, execute and monitor network management processes. Using OpenPM (a middleware service that enables the automation of activities supporting complex enterprise business processes in a distributed heterogeneous computing environment) as a reliable and efficient execution engine, this prototype supports efficient distributed network management and easy integration of legacy applications. The paper describes how an example of **configuration** management process is modeled, executed and monitored using OpenPM.

Index Terms:

SONET administrative data processing computer network management network operations systems open systems Hewlett-Packard OpenPM workflow system **SONET** configuration management distributed heterogeneous computing environment enterprise business process information superhighway infrastructure legacy applications middleware service network management processes open process management process definition process execution process monitoring synchronous optical network



Documents that cite this document

There are no citing documents available in IEEE Xplore at this time.

[Search Results](#) [\[PDF FULL-TEXT 360 KB\]](#) [NEXT](#) [DOWNLOAD CITATION](#)

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) |
[New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved